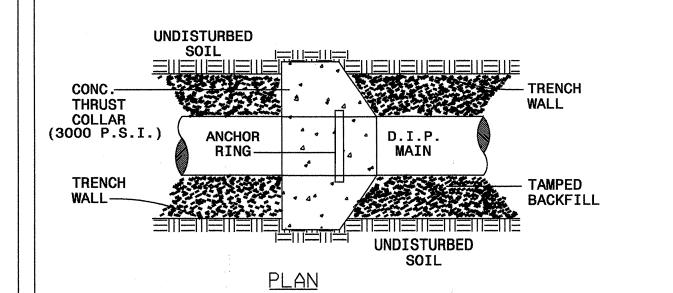


	MINIMUM	CONCRETE	BLOCKING	G (C.Y.) *	
NOM. PIPE DIA. IN.	TEES & DEAD ENDS	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND
4	1/3	1/3	1/3	1/3	1/3
6	1/3	1/3	1/3	1/3	1/3
8	1/3	1/2	1/3	1/3	1/3
10	2/3	3⁄4	1⁄2	1/3	1/3
12	3⁄4	1.0	2/3	1/3	1/3
14	1.0	1-1/2	3⁄4	1/2	1/3
16	1-1/3	2.0	1.0	1/2	1/3
18	1-2/3	2-1/3	1-1/3	2/3	1/3
20	2.0	3.0	1-2/3	3⁄4	1/2
24	3.0	4-1/3	2-1/3	1-1/3	2/3

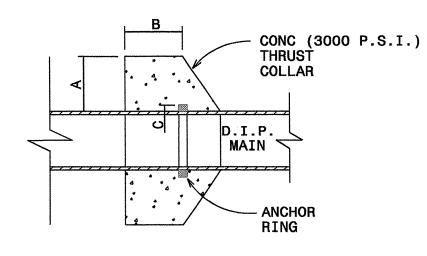
* CONCRETE SHALL BE 3000 P.S.I. MIX.

NOTE:
NO CONCRETE SHALL COVER
BOLTS OR GLANDS.

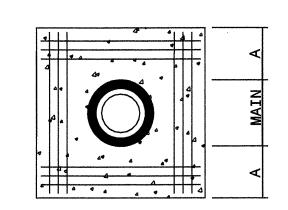
STANDARD REACTION BLOCKING



SCHEDULE							
PIPE DIAMETER	CONCRETE TH	RUST COLLAR	ANCHOR RING	RINGS REQUIRE			
	, A	В	С				
6",8",12"	1'-0"	1'-0"	2"	ONE			
16"	1'-4"	1'-0"	2"	ONE			
20 "	1'-4"	1'-0"	3"	ONE			
24"	1'-4"	1'-0"	3"	TWO			
30"	1'-4"	1'-2"	4"	TWO			
36"	1'-4"	1'-4"	4"	TWO			



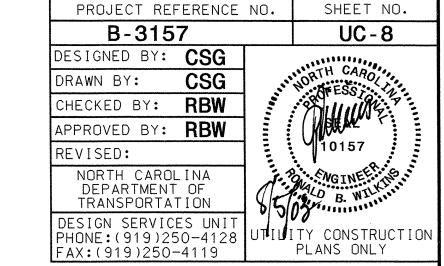




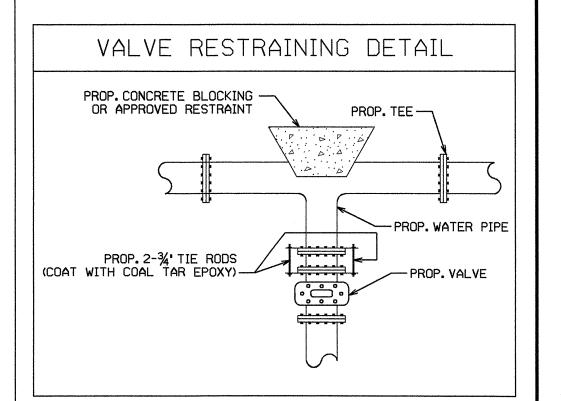
REINFORCING

NOTE:

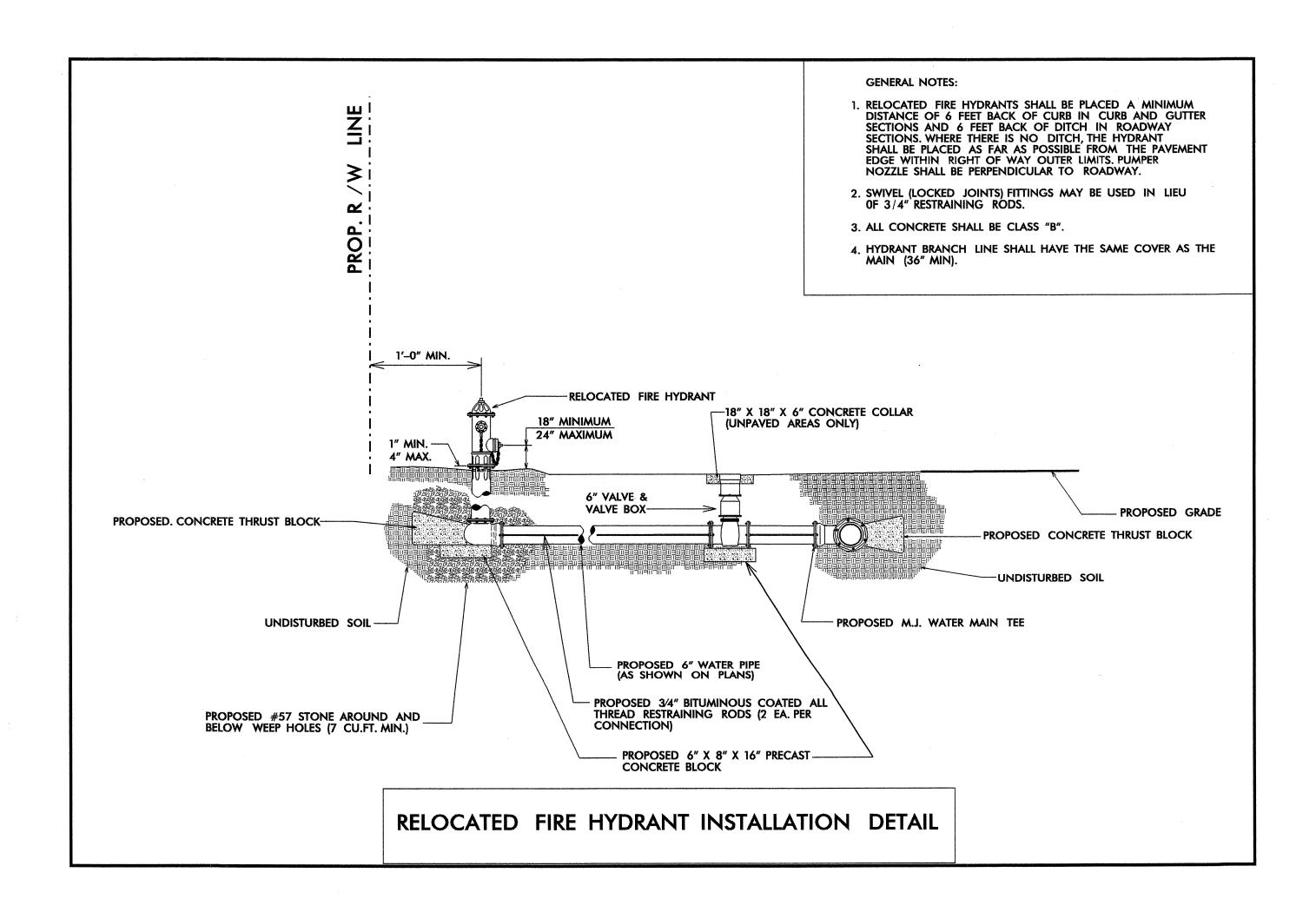
6" TO 16" MAINS = 12-NO. 7 BARS
20" TO 36" MAINS = 12-NO. 8 BARS
BARS PLACED AS SHOWN

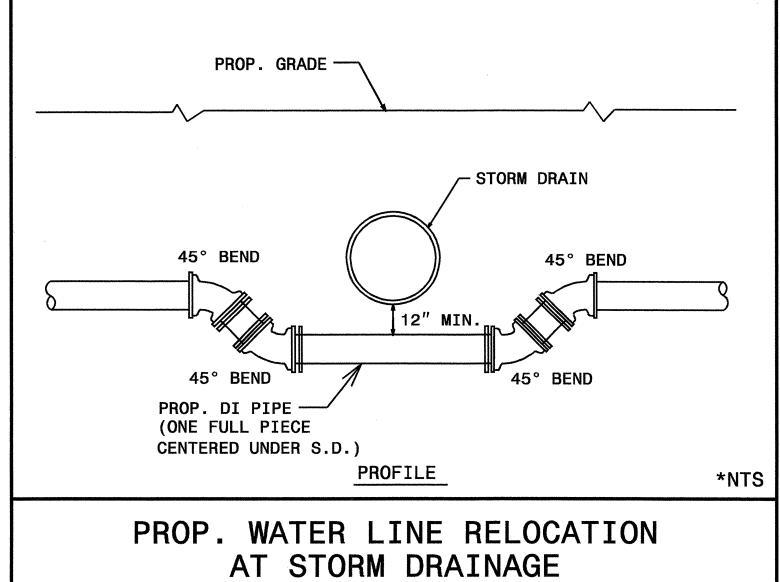


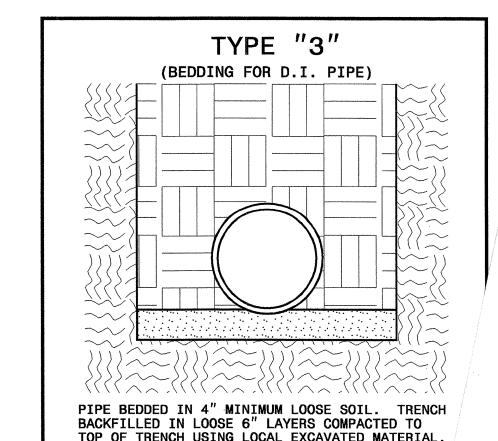
UTILITY CONSTRUCTION



STANDARD THRUST COLLAR INSTALLATION







PIPE BEDDED IN 4" MINIMUM LOOSE SOIL. TRENCH BACKFILLED IN LOOSE 6" LAYERS COMPACTED TO TOP OF TRENCH USING LOCAL EXCAVATED MATERIAL, IF APPROVED BY THE ENGINEER, OR SELECT MATERIA ALL MATERIAL SHALL BE FREE OF ROCKS, FOREIGN MATERIAL, AND FROZEN EARTH. COMPACTION SHALL BE TO APPROX. 95% DENSITY IN ACCORDANCE WITH AASHTO T-99 AS MODIFIED BY THE DEPARTMENT OF TRANSPORTATION.